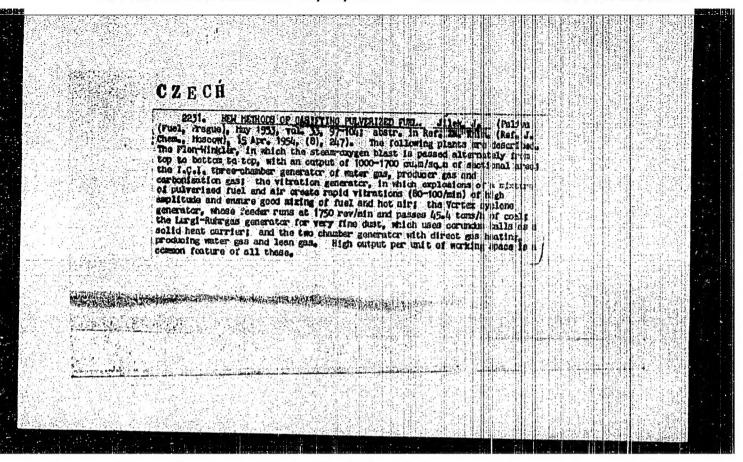


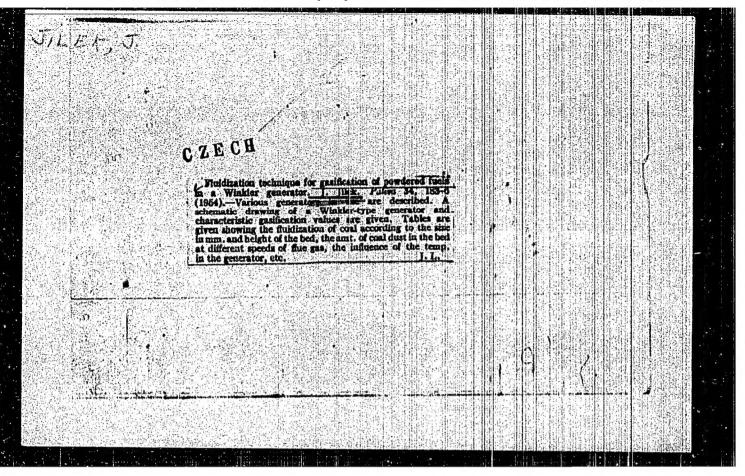
JILEK	, Jaromír.					
	Newer gasifics 32, 208-13(1952) works, especially pers-Totzek gene operation, and co tem with coarse-	tion techniques. Jaromir.—Air is replaced by G hr in synthesis-ms production rator with fine coal dust, ast calen. are described. The grain coal is also described.	Jilek Palma A modern gas Flo in The Kop- its principle; ne Lucote sys- Lake			

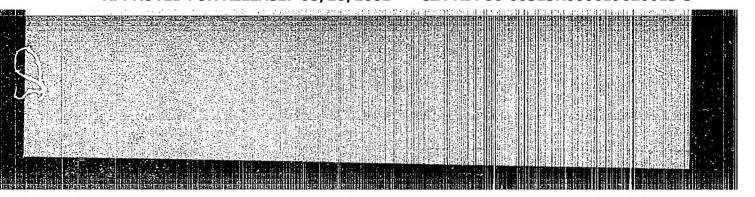


UILIK, J.		3 H 148 H H			
"Increasing The Heat Of Combusti (To Be Conto.)." p. 117. (Pali	on of Fuel Gas From B Va. Vol. 33, ho. 1.,	row. Goal. Cet. 1953, Penks	~·;		
					Mark Payol Mark Payol

SG: Lonthly List of East Europe	ean Accessions,/Librar	Jobo Coligrace, !	larch 195	4, Uncl.	

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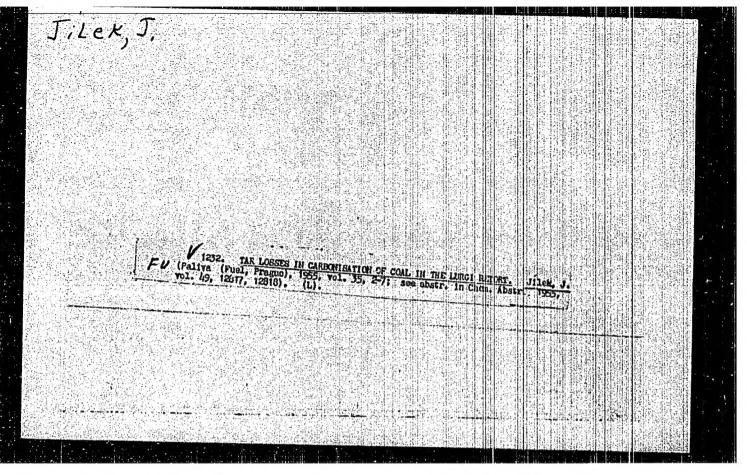
JILEK, J.

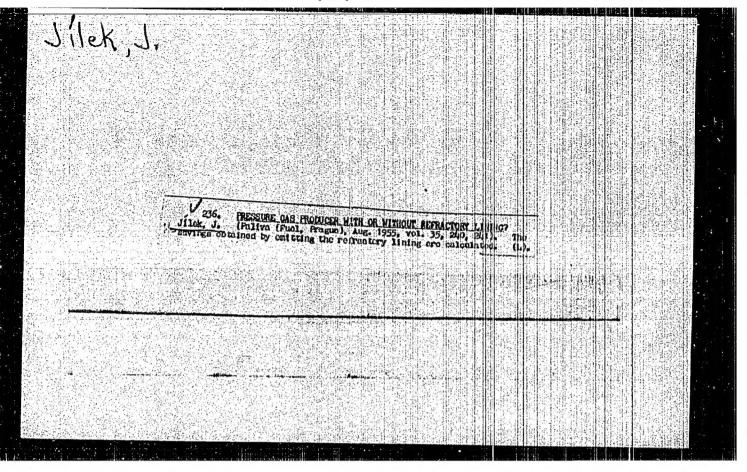
Economical method for drying crude coal.

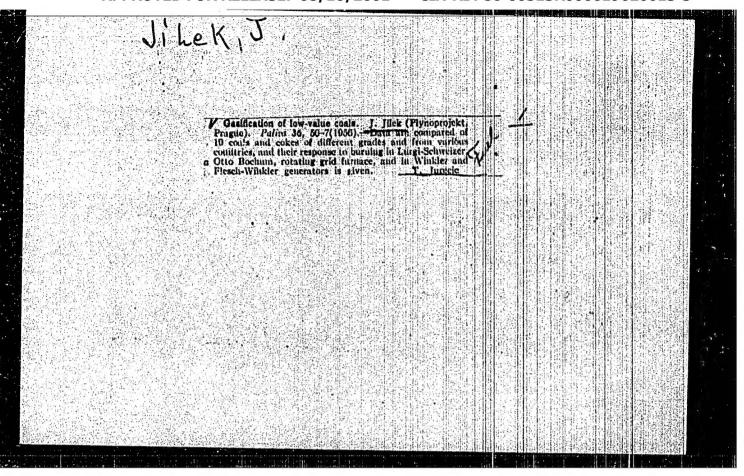
p. 323 Vol. 34, no. 12, Dec. 1954 PALIA Praha

SOURCE: East European Accessions List (EEAL), LC, VOL. 5, no. 3, March 1956

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3







CZECHOSLOVAKIA / Chemical Technology. Chemical Products H-22 and Their Application. Chemical Processing of Solid Fossil Fuels.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 2438

Author : Jilek, J.

Inst : Not given.

Title : The Study on a Problem of Complex Chemical-

Energetic Utilization of Brown Coal.

Orig Pub: Paliva, 1956, 36, No 7, 216-225.

Abstract: The fundamental technological scheme was exam-

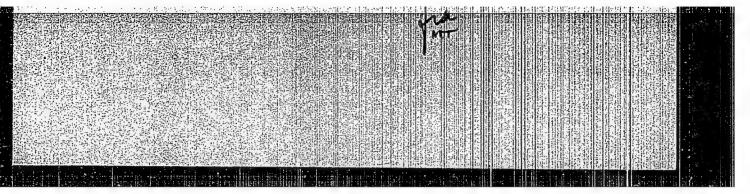
ined for the complex chemical — energetic processing of brown coal under Czechoslovakian conditions. A mixture of young brown coals is being sorted, which is composed of two: types having the following composition (in \$): moisture 42, ash 12, tar yield 8.7 and caloric value 3300 kilocalories/kilogram. Coal of the 0-12

ARTE CONTRACTOR CONTRA

ILEK Yaromir [Jilek, Jaromir]; ZHUKOV, A.A., inshener [translator];
SHISHAKOV, N.V., doktor tekhnicheskikh nauk, redsktor; KLHYMENOVA,
K.F., vedushchiy redsktor; MARTYNOVA, M.P., vedushchiy redsktor;
POLOSINA, A.S., tekhnicheskiy redsktor

i santal di Princial di Ingala di Paliban, dikembilik di Princia

[New methods of gasification of fuel by oxygen. Translated from the Czech] Novye sposoby gasifikatsii topliva kislorodom. Perevod s cheshskogo A.A.Zhukova, pod red. N.V.Shishakova. Moskva, Gos.nauchnotekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1957. 362 p. (MLRA 10:9) (Gas producers) (Goal gasification)



CZECHOSLOVAKIA/Chemical Technology - Processing of Solid Fossil Fuels.

H-22

Abs Jour

: Ref Zhur - Khimiya, No 24, 1958, 82970

Author

Jilek, J.

Inst

Title

: The Purification of Ascending Gas by a Rectisol Method.

Orig Pub

: Paliva, 1957, 37, No 0, 261-263.

Abstract

The method is based on the application of methanol as the solvent; one cubic meter of the latter at -600C. adsorbs CO 72 times more than one cubic meter of water at 200C. The demensions of equipment are considerably smaller, where reas the process is simplified because in addition to CO2 adsorption the methanol purifies the gas from the benzene impurity, S-compounds, tar-forming substances and dries the was. A description of the technological scheme for the purification is given and the savings, resulting from

the introduction of the nethod, are evaluated.

Card 1/1

H

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Application, Treatment of Solid Mineral

Their Application. Treatment of Solid Mineral Fuels.

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44531.

Author : Jilek J.

Inst Title

: Low Temperature Carbonization of Dituminous Shale

in China.

Orig Pub: Paliva, 1957, 37, No 12, 419-421.

Abstract: Presentation of particularized data (with appended

diagrams) relating to vertical gas generators with distillation shafts for low temperature carbonization and gasification of Fushun shale, having a shaft diameter of 2.6, 3.0 and 3.35 m. These gas

Card : 1/2

ukka marijinin alause, dahe dah sa dibibah kecamalang dah silam d areasen, till jalle og dytag statutgråde ett etter fra er er er JILEK J. Gzelshodrovakia F CATORIORS : RZKhim., No. 20 1959, No. 71331 AHS. JOUR. AUTRICA Jilek, J. INST. PICL : A Source of High Voltage for Electromigration Processes ORIG. 209. : Chem. listy, 1958, 52, No 5, 1833-1834 ASSTRACT : Description of a source of high voltage for electrophoresis in paper, with an output of 3000 v and 1 a, or 5000 v and 0.75 a. The stepless control rectifier is a full-wave rectification circuit using UA 1 a gas-filled, gridless rectifier tubes. -- 0. Knessel. CARD:

JILEK, J.

On the all-round effectiveness of utilizing lignite and its products through combustion. (Conclusion) p. 95

PALTVA. (Ministerstvo paliv a Geskoslovenska vedecka technicka spolecnost pro vyuziti pri Ceskoslovenske akademii ved) Praha, Czechoslovakia, Vol.39, No. 3, Mar. 1959

Monthly List of East European Accessions (EEAI), LV, Vol. 8, No. 7, July 1959 Uncl.

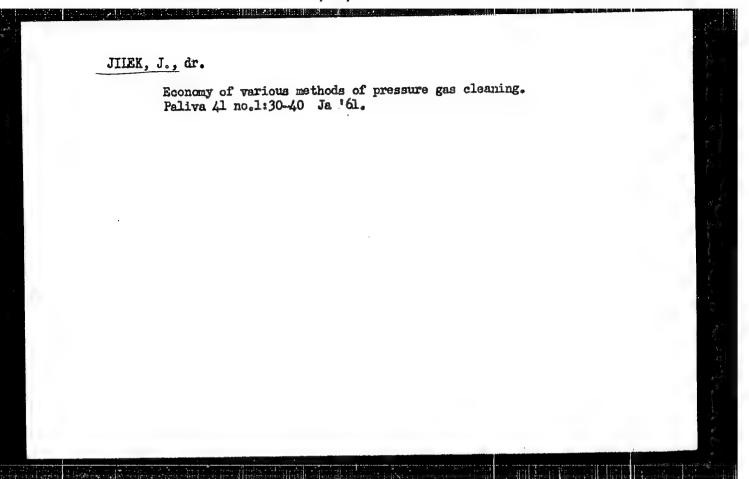
JILEK, J.; SLIVA, V.; DAHNELKA, J.

Use of lignite in the gas industry. p. 223.

PALIVA. (Ministerstvo paliv a Ceskoslovenska vedecka technicka spolecnost pro vyuziti paliv pri Ceskoslovenske akademii ved) Praha, Czechoslovakia, Vol. 39, no. 7, July 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959.

uncl.



HIEK, J., dr.

Examination of the economy of pressure gasification of ash and sulfur coal. Paliva 41 no.10:299-308 0 '61.

1. Plynoprejekt, Praha.

JILEK, Jaromir, dr.

Control of the dispersion of fumes by changing their temperature. Energetika Cz 12 no.10:521-525 0 '62.

1. Plynoprojekt, Praha.

JILEK, J., dr., inz.

Inertization of an explosive gas mixture by impure nitrogen. Paliva 42 no.10:299-301 0 162.

1. Plynoprojekt, Praha.

RIEDL, R.; BENES, M.; JILEK, J., dr., inz.

Separation of condensates in lignite gasification under pressure.
Pavliva 43 no.2:42-44 F '63.

JILEK, J., dr. inz.

Development of lignite pressure gasification in Yugoslavia. Paliva 44 no.9:274-277 S 164.

1. Flynoprojekt, Prague.

JILEK, J., dr. inz.

Gasification of solid and liquid fuels in the Koppers-Totzek generator. Paliva 45 no.2:49-53 F 165.

1. Plynoprojekt, Prague.

CZECHOSLOVAKIA

JILEK, J.O; FELZ, K: VEJDELEK, Z.J; PROTIVA, M

Research Institute for Pharmacy and Biochemistry (Forschungs-institut fur Pharmazie and Biochemie), Prague

Prague, Collection of Czechoslovak Chemical Communications, No 1, January 1966, pp 269-278

"Neurotropic and psychotropic substances. Part 7: 2-alkoxy-9-(3-dimethylaminopropyliden) thioxanthene and an additional derivative of prothixene."

CIA-RDP86-00513R000619620013-3 "APPROVED FOR RELEASE: 08/10/2001

· CZECHOSLOVAKIA

JILEK, J. TRAVNICKOVA, E., TROJAN, S: Physiological Institute, Faculty of General Medicine, Charles University (Fysiologicky Ustav Fak. Vseob. Lek KU), Prague.

"Influence of Hypoxia on Glycogen Metabolism in the CNS in Ontogenesis."

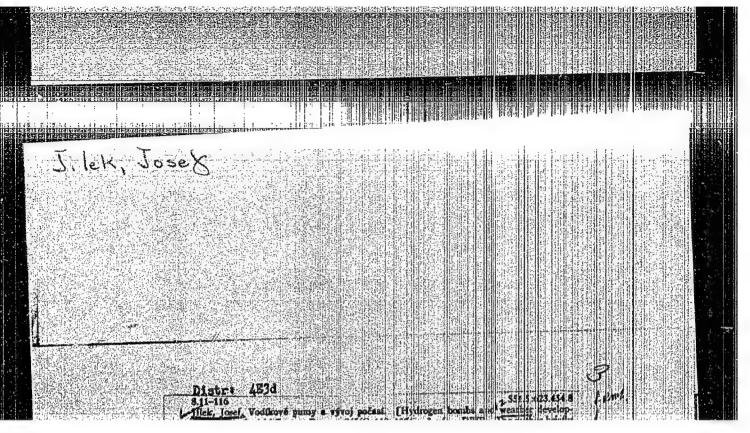
Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, pp 112-113

Abstract: Changes in the amount of glycogen and lactic acid in rat prosencephalon (P) and rhombencephalon (R) caused by 6 minutes of hypoxia at a simulated elevation of 12,000 meters was investigated. Rats were either adult or 5, 12 or 25 days old. Between the ages of 12 and 25 days hypoxia causes a decrease of glycogen in the brain and an increase in P and R. At other ages no changes were observed. In 12 day old rats lactic acid content increased by 300%. 1 Czech reference. Submitted at "16 Days of Physiology" at Kosice, 28 Sep 65.

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- 161 -

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3



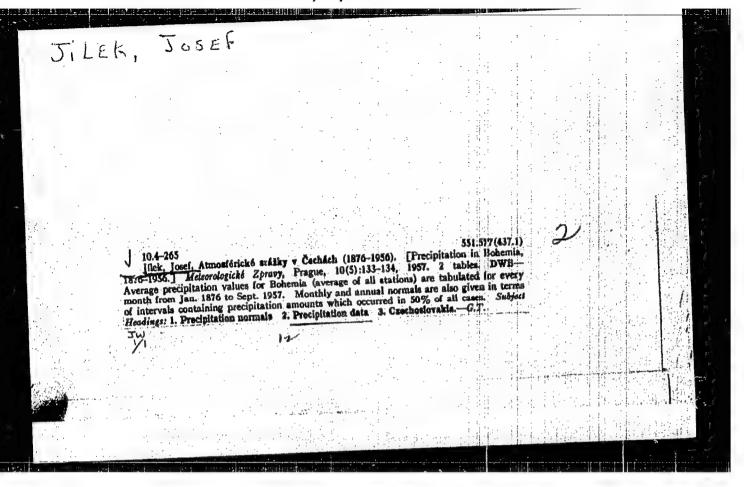
ŧk

JILEK, J.

Seasons of the year.

p. 65 (Meteorologicke Zpravy) Vol. 10, no 3 June 1953. Praha, Czechoslovakia.

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 70 no. 1, Jan 1958



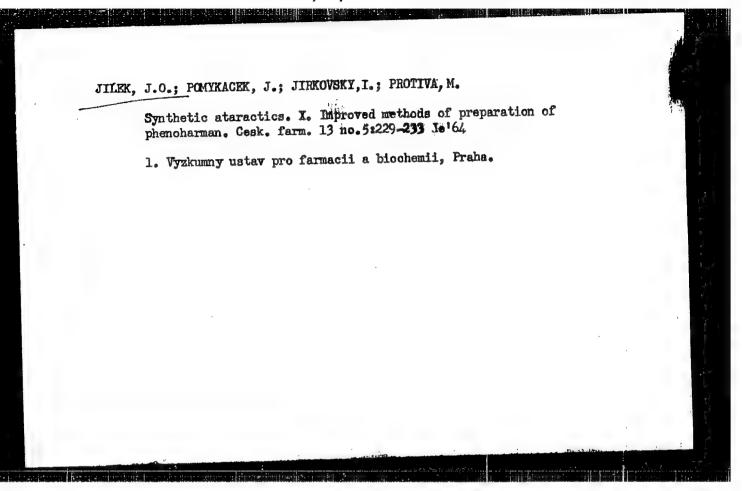
JILEK, J.

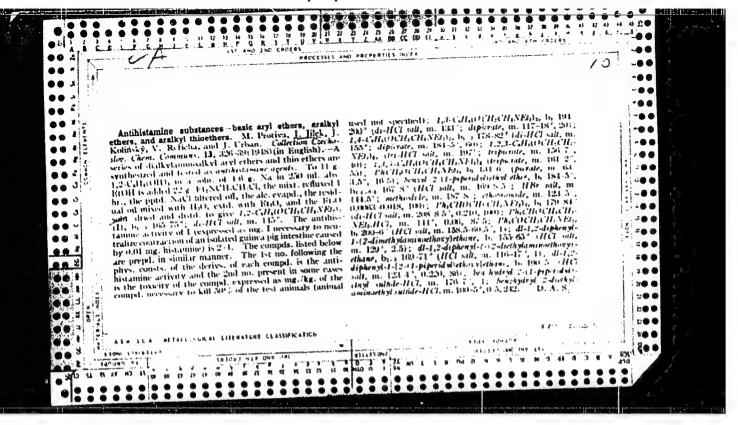
SCIENCE

Periodicals: METEOROLOGICKE ZPRAVY. Vol. 11, no. 6, Dec. 1958 JIDEK, J. Balance sheet of solar radiation in Prague. p. 165.

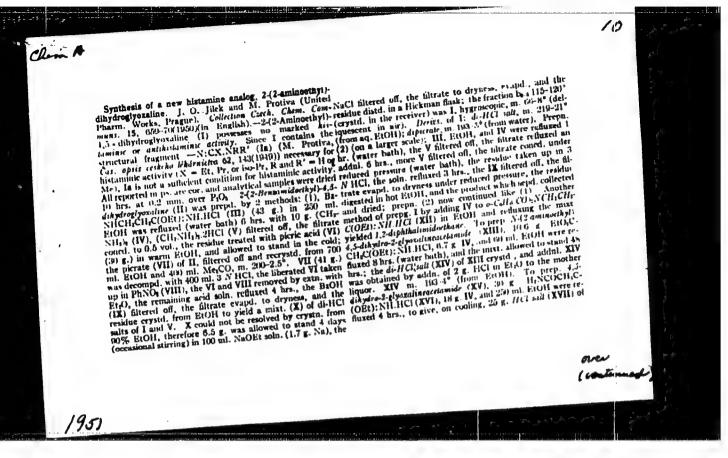
Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5, Way 195 9, Unclass.

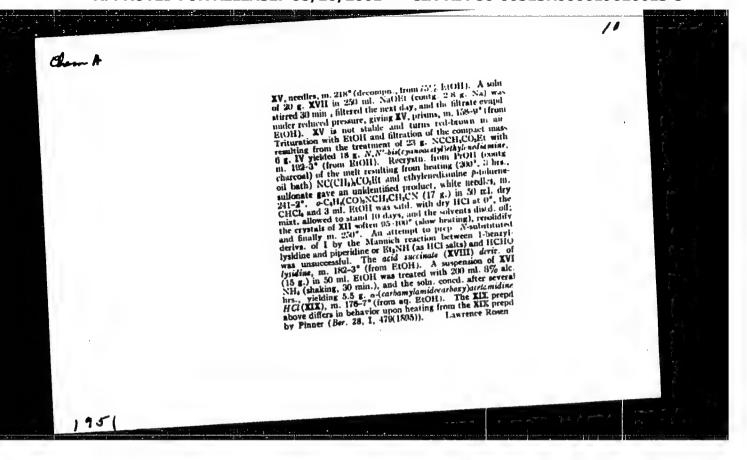
31482-66 FCC GN SOURCE CODE: CZ/0085/6	5/000/005/0169/0170
UTHOR: Jilek, Josef	5 SW
DRG: HMU, Prague	21
TITLE: Problems of long term weather forecasting	В
SOURCE: Meteorologicke zpravy, no. 6, 1965, 169-170	
TOPIC TAGS: long range weather forecasting, atmospheric pressur temperature, synoptic meteorology, atmospheric circulation	e, atmospheric
ABSTRACT: Long term forecasting of weather is extremely difficult believes that the only reliable approach to the problem is the sequence at atmospheric circulation. The forecast should be based of average barometric pressure and temperature, the sequence and typrocesses of circulation, and on the synoptic chart. A comparise German, British, and the USA long term weather forecasting is mattention is given to the British method of weather forecasting.	on the expected pe of the individual on of Russian, ade. Particular
SUB CODE: O4 / SUBM DATE: none	
Table 1	
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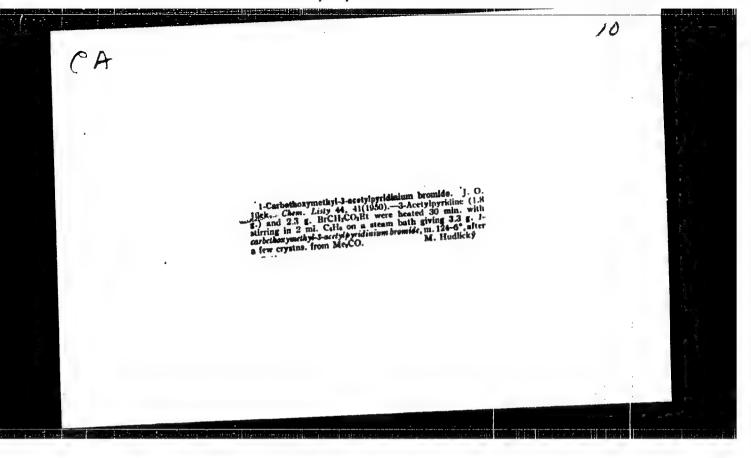


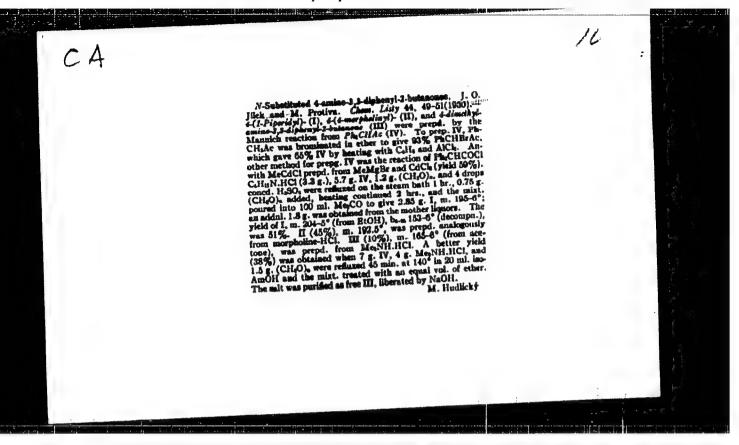


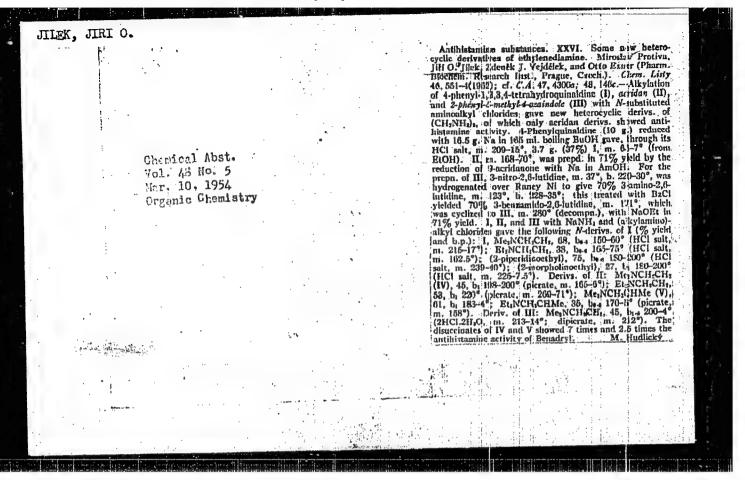
Antihistamine substances. X. Polycyclis analogs of barthydryl others. J. O. Jück, J. Urban, and M. Prottva. Chem. in 24th 24. 36. 8(1940); cf. C. A. 43, 3810h and prevent and abstr.—The following banks ethers are protted prevent and prevent and an electronic control of the co

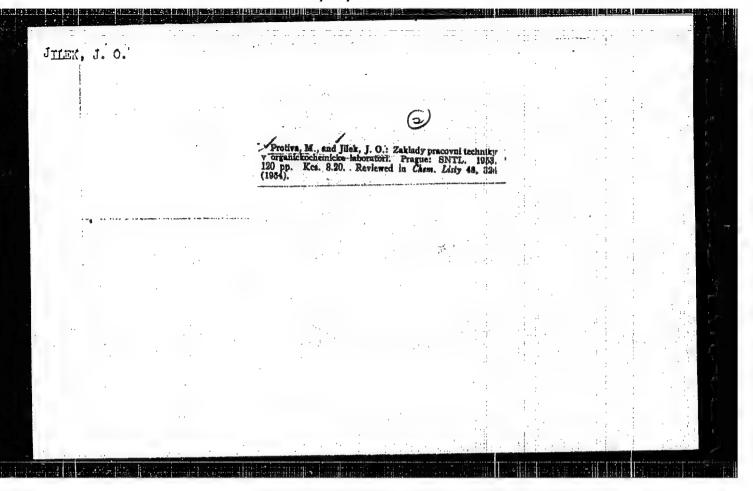












APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3"

JILEK, J.O.; BOROVICKA, M.; PROTIVA, M.

Synthetic antispasmodics. Part 5. Cyclic analogues of substances of the 3,3-diphenylpropylamine series [in English with summary in Russian].

Sbor. Chekh. khim.rab. 18 no.2:257-269 Ap '53. (MERA 7:6)

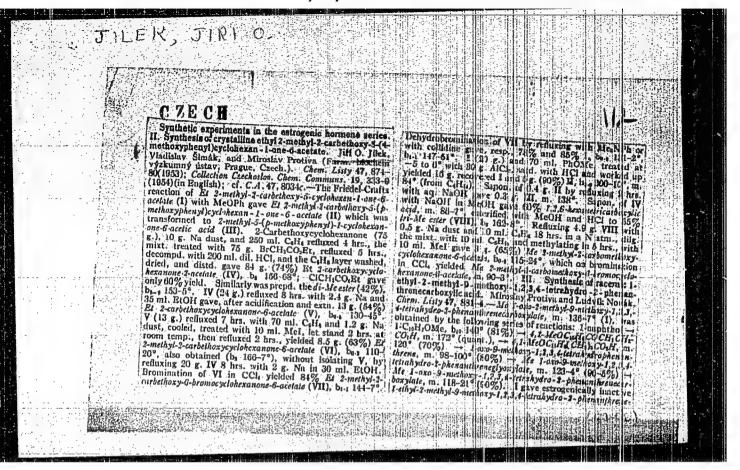
1. Pharmaceutical and Biochemical Research Institute, Prague. (Antispasmodics)

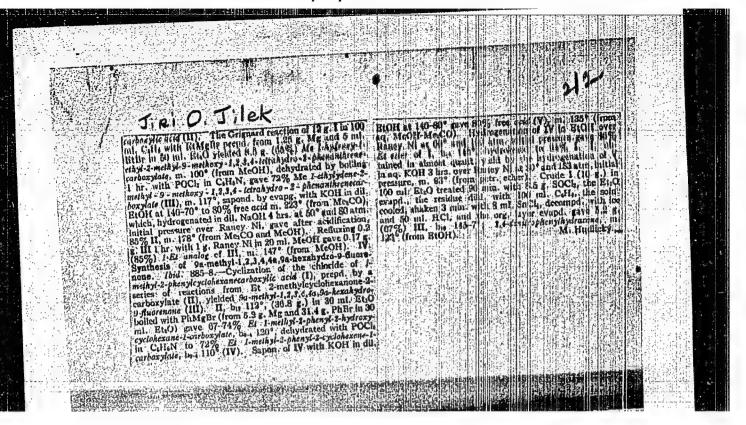
JILEK, J., PROTIVA, M. "Parasympathomimetics. I." "Synthetic spasmolytics." VII. "Synthesis of a new sulphur analogue of acetylchlorine and sulphonium salts of the "Tifene" type. p. 219. (CHEMICKE LISTY, Vol. 47, #2, Feb. 1953, Czechoslovakia)

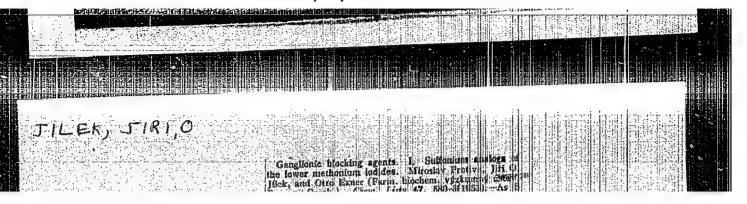
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So: Monthly List of Rhisian Accessions,/Library of Congress, August 1953, Uncl.

CIA-RDP86-00513R000619620013-3" APPROVED FOR RELEASE: 08/10/2001







EXNER, O.; SIMAK, V.; JIMEK, J.O.; PROTIVA, M.

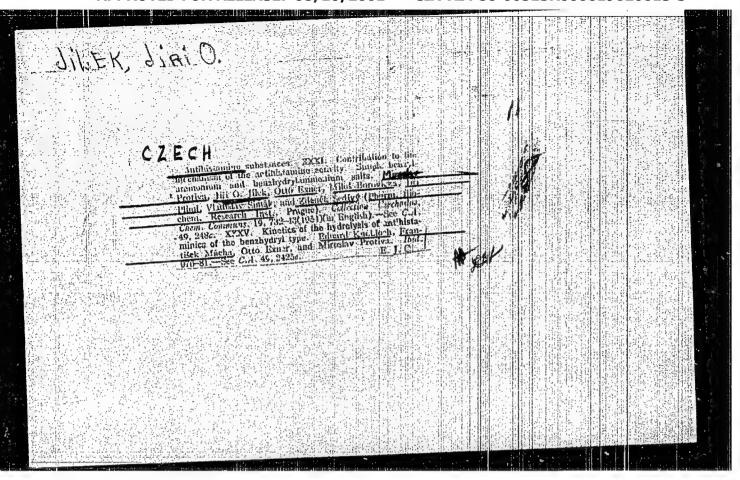
Synthesis in the estrogene hormone group. Part 1. m-methoxyphenylacetylene [in English with summary in Russian]. Sbor.Chekh.khim.rab. 19 no.2:330-332 Ap 154.

1. Pharmaceutical and Biological Research Institute, Prague. (Estrogens)

JIEK, J.O.; SIMAK, V.; PROTIVA, M.

Synthesis in the estrogenic hormone group. Part 2. Synthesis of crystalline ethyl 2-methyl-2-carbethoxy-5-(4-methoxyphenyl) cyclohexan-crystalline ethyl 2-methyl-2-carbethoxy-in Russian]. Sbor.Chekh.khim. 1-one-6-acetate [in English with summary in Russian]. (MIRA 7:6) rab. 19 no.2:333-339 Ap *54.

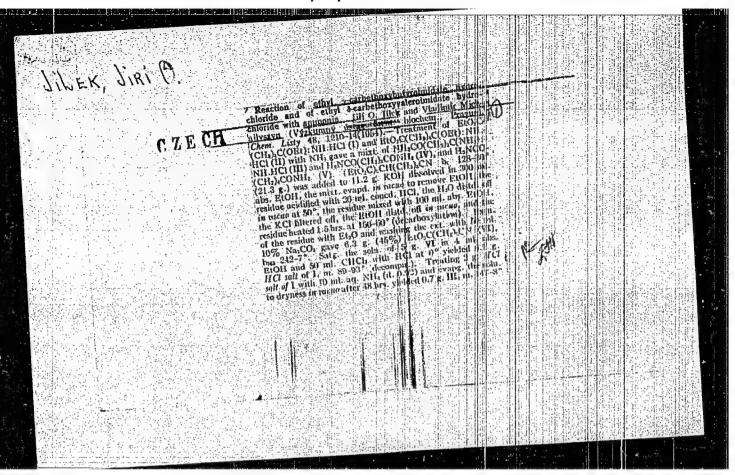
1. Pharmaceutical and Biochemical Research Institute, Prague. (Estrogens)

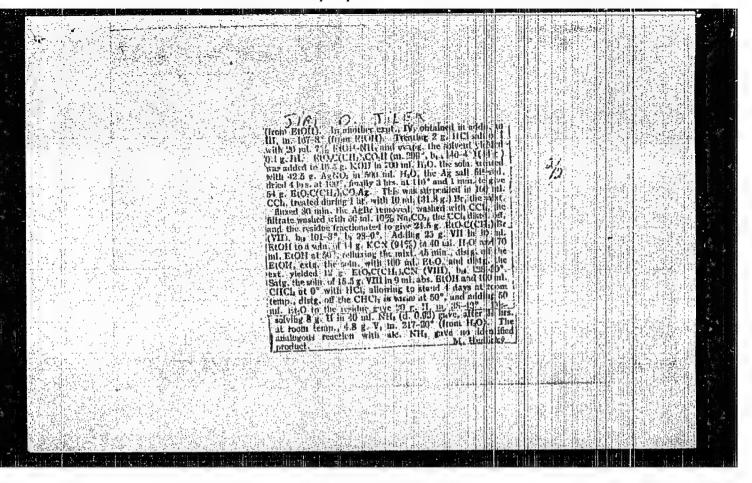


JILEK, J.; POMYKACEK, J.; PROTIVA, M.

"Antihistamine Substances. XXXVI. Preparation of Some P-Substituted Analogues of Antistine", P. 232, (CHEMICKE LISTY, Vol. 48, No. 2, Feb. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.



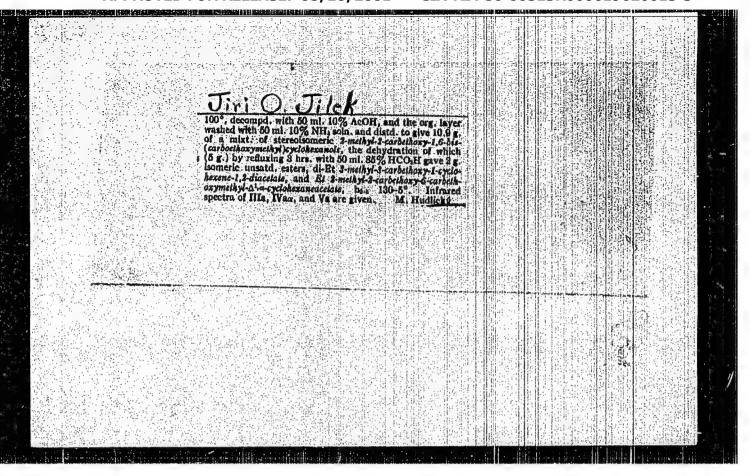


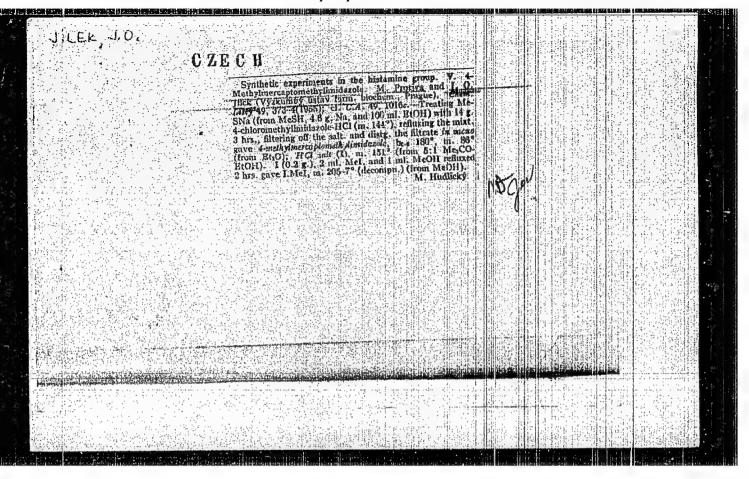
JIKEL, JIRIO.

Syntheses in estregenic hormone group. VII. Crystalline methyl-2-methyl-2-carbomethoxy-5 (p. m. thoxyphenyl) excloherance-6-acetate and attenipts to cyclize stereodomeric heranone-6-acetate and attenipts to cyclize stereodomeric acids. JiH O. Jilek and Miroslav Protiva (Vizkumic) distay farm. Biochem., Prague). Chem. Listy 49, 90-105 (1955); Collection, Czechoulov. Chem. Commans 20, 785-76 (1955); Collection, Called 20, 11508e.—Resterification of 5. El. 2-methyl-2-carbethoxy-6-(p-methoxyphenyl-y-cloherancone-8-acetati; m. synthesis of the cystin (1964). And solving the residue (4.8 g.) in 20 ml. 80% mg. MeOH, and solving the residue (4.8 g.) in 20 ml. 80% mg. MeOH, and MeOH). Sapang. 35 g. liquid I (the mother liquic from MeOH). Sapang. 35 g. liquid I (the mother liquic from MeOH). Sapang. 35 g. liquid I (the mother liquic from MeOH). Sapang. 35 g. liquid I (the mother liquic from MeOH). Sapang. 35 g. liquid I (the mother liquic from MeOH). Sapang. 35 g. liquid I (the mother liquic from Elon), g. NaOH in 250 ml. H.O., dilg. the mixt. with 250 ml. H.O., g. NaOH in 250 ml. H.O., by 167 y reducing 10 hrs. with 28 the crystas (isomer-aciditying with HCl., filtering off the 6 g. of crystas (isomer-aciditying with HCl., filtering off the 6 g. of crystas (isomer-aciditying with HCl., filtering off the 6 g. of crystas (isomer-aciditying with HCl., filtering off the 6 g. of crystas (isomer-aciditying with HCl.), in a strength of a star with 100 g. ice, and the mixt. 10 min. at 150°, cooling dilg, with 100 g. ice, and the mixt. 10 min. at 150°, cooling dilg, with 100 g. ice, and (p-methoxyphenyl)-2-hydroxy-1-cyclohexene-acidity acid, m. (p-methoxyphenyl)-2-hydroxy-1-cyclohexene-1-aceti

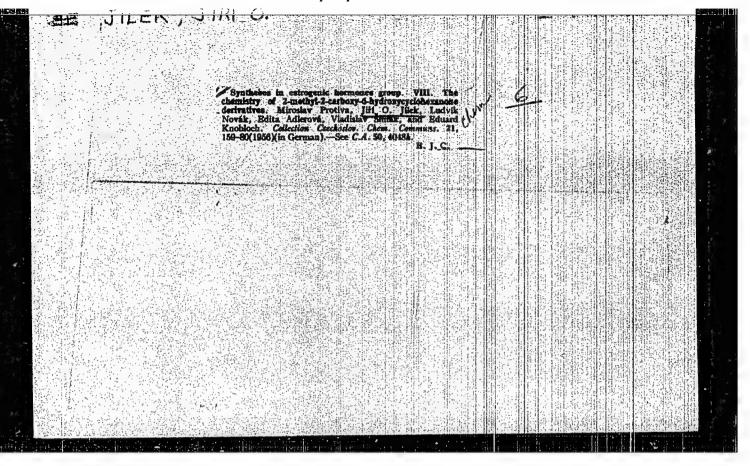
after chromatography. 1.15 g. isomeric lactime (IV1), base 105-200° (bath temp). Reduction of 2 g. IIIa with 1.5 g. IIAHI, in 160 mil. Bego by refluxing 30 min. gave after chromatography. 3 g. 3-methyl-5-(p-methoxyphinyl)-6-g. (3.4ydroxyclkyl bygos) cannons. bas. 190-2°. IIa (118 g.) was transformed with 0.7 g. PCls in 30 ml. Call, to 161 chows transformed with 1.1 in. SnCl. 3 hrs. at 0° gave, after ride which, treated with 1 ml. SnCl. 3 hrs. at 0° gave, after ride which, treated with 1 ml. SnCl. 3 hrs. at 0° gave, after ride which in 1.1 SnCl. 3 hrs. at 0° gave, after decompt. with 15 ml. 3N I(Cl. 0.06 g. IIa and 0.10 g. of a lectone (Va) of (3-methyl-6-4 sorthoxyphenyl-2-laydrox)-Alactic (100 mg. Va in 10 ml. AcOH with Pd and 0.1 ml. HC D. gave 180 mg. Va in 10 ml. AcOH with Pd and 0.1 ml. HC D. gave 180 mg. Va in 10 ml. AcOH with Pd and 0.1 ml. HC D. gave 180 mg. Va in 10 ml. AcOH with Pd and 0.1 ml. HC D. gave 180 mg. Va in 10 ml. AcOH with Pd and 0.1 ml. HC D. gave 205-15° ml 09-103° (Irom MeOH). Thermid cyclication of IIa by lanting 0.4 g. IIa 10 mln. at 341° gave, after distn. in 982310, 250 mg. of a mixt. of IIIa and Va which regenerated life on alk hydrolysis. Partial kydrolysis is of the liquid postion of II (7.4 g.) in 20 ml. EtOH by residual for his with 1.1 g. NOH in 100 ml. RtOH gave 4.4 g. 8-methyl-2-carbelloxy-5-[j-methoxyphenyl)-yiloker mons-6-generated (VI), which treated in 100 ml. CH at 10° with 4 ml. SnCl., and the mixt. decompd. with 20 g. ce and 20 ml. HCl. gave. after chromatography, 1.2 g. (prohably) 3-do-gally drophenanthrene, bs. 200-11°. As 9.0.100-octally drophenanthrene, bs. 200-11°. As 9.0.100-oc (over)

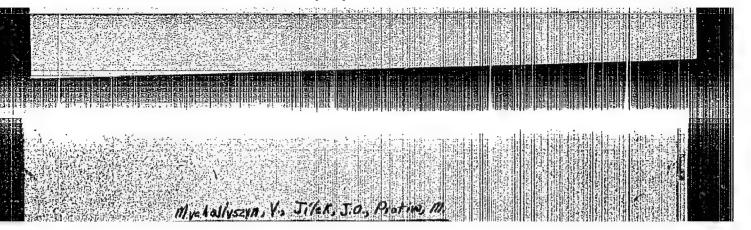
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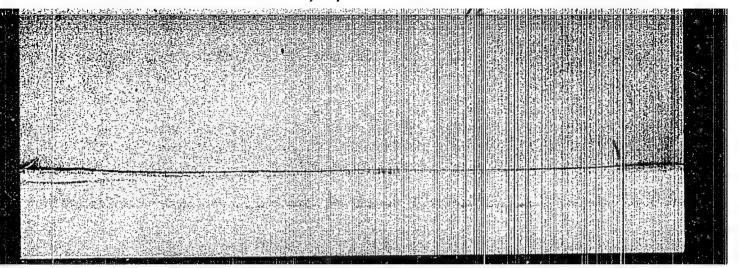


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JILEK, J.O.

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11331.

: Mychnjlyszyn, V. and Jilek, J. O. Author

Inst

: Synthetic Analgesics. II. Synthesis and Reactions of Title

Several Lydrogenated Derivatives of 1-Phenylisoquino-

Orig Pub: Chem Listy, 50, No 12, 2011-2017 (1956) (in Czech)

Abstract: The reaction of the iodomethylate of 5,6,7,8 tetrahydroisoguinoline with C6H5MgBr (in ether at $\sim 20^{\circ}$)

gives 1-phenyl-2-methyl-1,2,5,6,7,8-hexahydroisoqui-noline (I), yield 28%, bp 140-143°/0.8 mm. The benzoylation of 1-cyclohexenylethylamine in 20% NaOH solution gives N-(\$\beta\$-1-cyclohexenyl)-benzaride (II), yield 98%, mp 780 (from alcohol; all mp's reported in this

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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3" CZECHOSLOVAKIA/Organic Chemistry: Synthetic Organic Chemistry. G-2
Abs Jour: Referat Zhur-Khimiya, no 4, 1958, 11331.

to the picrates: 1 gms IV, 0.5 gms III, and 0.7 gms of the picrate of 1-phenyl-1,2,3,4,5,6,7,8-octahydroiso-quinoline, mp 130-132°. The hydrogenation of a solution of I in CH30H over Pt (from PtO₂ gives 1-phenyl-2-methyl-1,2,3,4,5,6,7,8-octahydroisoquinoline (VII), yield 65%, bp 125-130°/0.2 mm; picrate (VIII), mp 224-225° (from alcohol). The iodomethylate obtained from the crude product of the cyclization of II on hydrogenation over Raney Ni in a methanol solution of KOH gives a mixture of bases, yield 40%, bp 120-140°/0.5 mm, from which 15% IV and 75% VIII are obtained. Chromatography of a petroleum ether solution of the mixture of bases on Al₂O₃ gives free VII. VII and VIII are not identical with the base (nor its picrate) obtained by the action of N-benzylidenecyclohexenylethylamine with dimethyl sulfate

Card : 4/5

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11331.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3" (Grewe et al, Chem Ber, 81, 279 (1948); RZhKhim, 1954, 16315), to which the authors assign the same structure. The attempt to convert VII (as well as the compounds obtained by the German workers) to N-methyl-10-normorphine /sic/ by heating 60 hrs at 140-150° with H₃PO₁₄ gave no positive results. For Communication I see RZhKhim, 1957, 30811.

Card : 5/5

JILEK J.

CZECHCSLOVAKIA/Organic Chemistry - Natural Compound and Treir

G.

Syr.thetic Analogs.

Abs Jour

: Ref Zhur - Khimiya, No 16, 1958, 54013

Author

: Yilek, Protiva

Inst

: >-

Title

A Study of the Synthesis of Estrogenic Hormones. XV. Reaction of Fhenylacetylenes with Substituted Cyclohexanones. A New Total Synthesis of Certain Racemic

Doisynolic Acids.

Orig Pub

: Chem. listy, 1957, 51, No 4, 643-653

Abstract

: 1-ethyl-2-methyl-7-hydroxy-1,2,3,4,9,10,11, 12-octahy-drophenanthrenecarboxylic-2-acid (I) (from racemic doisynolic acids) was synthesized in the following

manner:

The reaction of m-CH3OC6Hh=CK (II) with the methyl ester of 2-ethyl-3-methylcyclohexanocarboxylic-3-acid (III) in tertiary butanol (sime hours at 90°C) resulted in the

Card 1/7

CZECHOSLOVAKIA/Organic Chemistry - Natural Compounds and Chemistry - Natural APPROVED FOR REPLEASE: 08/16/2001 CIA-RDP86-00513R000619620013-3"

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 54013

formation of the lactone, 1-(m-methoxyphenyl-ethynyl)-2ethyl-3-methyl-1-hydroxycyclohexancarboxylic-3-acid (V). A crude yield of 76% was obtained after chromatographic treatment on Al₂0₃, b. p. 190-205°C/0.3 mm. The hydrogenation of V on Fd/C in methanol lead to the formation of the lactone, 1-/3 -(m-methoxyphenyl)-ethyl/-2-ethyl-3-methyl-l-hydroxycyclohexancarboxylic-3-aicd (IV). which was purified by chromatographic treatment with Al₂O₂, b. p. 200-215°C/O.8 mm, 190-205°C/O.2 mm, m. p. 700C. (from petroleum ether - benzene). Compound IV was also obtained by direct hydrogenation of the condensation product of III with II (without the intermediate separation of V), yield, 20.4. The saponification of V with a 20% methanol KOH solution (boiling for 20 hours) produced 1-\(\begin{aligned} & -(\mathbf{m}-\mathbf{m}-\mathbf{m}+\mathbf{m}) - \text{othyl} \end{aligned} ethyl-3-methyl-1-hydroxycyclohexane carboxylic-3-acid,

Card 2/7

CZECHOSLOVAKTA/Organic Chemistry - Natural Compounds and Their Synthetic Analogs:

Abs Jour

: Ref Zhur - Khimiya, No 16, 1958, 54013

\$ -(2-phenyl ethynyl-2-hydroxycycloheyl)-propionic acid (yield 51%, b. p. 180-230°C./1-5 mm, m. p. 83-840C. (from petroleum ether), which product upon hydrogenation was converted into the lactone, 3 -(2-3 --phenylethyl)-2-hydroxycyclohexyl)-propionic acid, yield 66%, m. p. 98°C. (from petroleum ether). Similiarly, III was converted into the lactone of 1-phenylethynyl-2-ethyl-3-methyl-1-hydroxy cyclohexylcarboxylic-3 acid (yield 37%, b. p. 160-180°C./0.9 mm, m. p. 900C. (from petroleum ether), which after hydrogenation over Pd/C, was converted into the lactone, 1-(/ -phenylethyl)-2-ethyl-3-methyl-1-hydroxy cyclohexylcarboxylic-3 acid, m. p. 175-1800C./0.2 mm. II was synthesized from the ethyl ester of β -(m-methoxyphenyl)- α - β -dibromo propionic acid, m. p. 58-59°C. (from petroleum ether), prepared quantitatively by bromination of the ethyl

Card 6/7

17

CZECHOSLOVAKIA / Organic Chemistry, Natural Substances and Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61101.

Abstract: or by Radney's catalyst under pressure, or with LiAlH4, yield 52 to 56%, boiling point 158 0.5 mm, melting point 112 to 1130 (from benzene). 5-methoxytriptamine, melting point 120 to 1210 and 7-methoxytriptamine, melting point 134 to 1350, are prepared according to Spath and Lederer (Spath E., Lederer E., Ber., 1930, 63, 2102). (CH₃)₂C((C₆H₅)CONH, melting point 1600, is prepared by hydrolizing (CH3)2C(C6H5)CN with aqueous KOH, it produces (CH3)2C(C6H5)COOH, melting point 770, at the continued hydrolysis in KOH. Hydrochloride

Card 2/11

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3"

CZECHOSLOVAKIA / Organic Chemistry. Natural Substances G and Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61101.

Abstract: corresponding acid, and c/of the corresponding I and hydrochloride of the corresponding acid in C6H6 in the presence of aqueous NaOH at about 20°. 5-methoxytriptamine of PNA (VI), melting point 117° (from CH3OH), was prepared of IV according to the method a, yielded 80%. Triptamide of 4-methoxy-PNA (VII), melting point 155 to 156° (CH3OH), was prepared of I and methoxy-PNA by the method b, yield 46%. Triptamide of C-phenyliso-butyric acid (VIII), melting point 137 to 138° (from benzene), was prepared of I and IV by the method c, yield 91%. Triptamide of PNA (IX), melt-

Card 4/11

CZECHOSLOVAKIA / Organic Chemistry. Natural Substances G and Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61101.

Abstract:

yield 79%. 7-methoxytriptamide of PNA (XIII), melting point 101 to 102 (from aqueous CH3OH),

Card 6/11

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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3"

CZECHOSLOVAKIA / Organic Chemistry. Natural Substances G and Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61101.

Abstract: harman; MS - melting point 245 to 247°. Other 1,2,3,4-tetrahydronorharmans of the general formula A are prepared (if not indicated otherwise) by the cyclisation of the corresponding triptamide (same as XIV) and reduction of the produced raw 3,4-dihydronorharman (same as XV): A, R = H, R' = C6H5C(CH3)2-, (from VIII), MS - melting point 225 to 226°; R = H, R' = 5,6,7,8-tetrahydro-1-naphthylmethyl, (from XIII), hydrochloride - melting point 247 to 253° (from aqueous alcohol), MS - melting point 239 to 241°; R = 6-OCH3, R' = C6H5CH2, (from VI), MS - melting point 249°;

Card 8/11

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3"

CZECHOSLOVAKIA / Organic Chemistry. Natural Substances G

and Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61101.

Abstract: R = 8-OCH3, R' = C6H5CH2, (from XIII), MS - melting point 249 to 250°; R = H, R' = 4-OCH3C6H4CH2, (from VII) or by aging 24 g of I hydrochloride with 24 g of 4-CH3OC6H4CH2COCOOH in 600 ml of water and 360 ml of acetic buffer (pH = 3.8) in the duration of 40 days at 37°, decarboxylation of the formed 1-(4-methoxybenzyl)-1,2,3,4-tetra-hydronorharman-1-carboxylic acid (melting point of raw acid 223 to 225°; dissociates), passing HC1 (gas) through its suspension in boiling CH3OH, dissolution of the raw product in CHCl3 and filtration through Al2O3; hydrochloride - melting point 252 to 254° (from CH3OH); MS - melting point 252 to 253°; A, R = H, R' = C6H5, melting point

Card 9/11

JILLY Jivi O.

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74167.

Author : Miroslav Protiva, Jiri O. Jilek, Vladimir Hach, Edita Adlerova, Vladimir Mychaulyszyn.

: American Chemical Society. Inst

: Synthetic Models of Blood Pressure Depressing Alkaloids. Title

II. Simple Models of Reservine With Cyclohexane Ring.

Orig Pub: Chem. listy, 1957, 51, No 11, 2109-2117.

Abstract: Cyclohexylacetic acid (I) was prepared by the re-

duction of a solution of sodium cyclohexylideneacetate on Raney nickel under 110 atm. at 1000, yield 86%, boil p. 123 to 125°/5 mm; it was converted into cyclohexylacetylchloride (II) by the

Card : 1/11

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3" CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogues.

G

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74167.

tion by NH 10H; that base was reduced with 12 g of Na in 120 ml of alcohol to 1-cyclohexylmethyl-1,2,3,4-tetrahydronorharman (V) (yield 3.6 g); hydrochloride, melt. p. 245 to 246 (from alc.); metasulfonate, melt. p. 262 to 265 (from aqu. alc.). Ethyl ester (EE) of 1-oxy-4-methoxycyclohexylacetic acid was synthetized of 4-methoxycyclohexanone (VI) and CH₂Br-COOC H, in C₆H₆ by the reaction of Reformatskiy, yield 64%, boil. p. 110 to 111 /1.6 mm; it produced the EE of 4-methoxycyclohexenylacetic acid (VII) after 4 hours of action of SOCl₂ in pyridine in an ice bath, boil. p. 120 /14 mm. 4-methoxycyclohexenylacetic acid (VIII) was prepared by 12 hour boiling of VII with

Card : 3/11

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and GAPPROVED FREE REFEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3"

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74167.

KOH solution in alcohol, yield 85%, boil. p. 150 to 152°/2 mm, melt. p. 27 to 30°. Hydrogenation of VII on Pto: in CH; COOH resulted in EE of 4-methoxycyclohexylacetic acid (IX), boil. p. 120 to 122°/20 mm. By hydrogenation of the aqueous solution of Na salt of VIII on Raney's nickel under 105 atm. at 80 to 90°, or by 12 hour toiling of IX with KOH solution in alcohol, cis-(?)-4-methoxycyclohexylacetic acid was produced, yield 80%, boil. p. 151 to 152°/3 mm, melt. p. 19 to 22°; S-benzylisothiouronic salt, melt. p. 145 to 146° (from alc.), 4-methoxycyclohexylacetyl chloride, boil. p. 108 to 111°/10 mm, synthetized of the

Card : 4/11

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogues.

G

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74167.

of CH₃COONH4 by 7 hour boiling with azeotropic water removal; XI was boiled 3 hours with 10%-ual NaOH and VIII was produced, yield 61%. 4-methoxy-cyclohexenylacetyl chloride (XII) produced of VIII and SOCl₂ was added drop by drop with simultaneous cooling to concentrated NH4OH and 4-methoxycyclohexenylacetamide (XIII) was obtained, yield 45%, melt. p. 126° (from iso-C₃H₂OHO. 1.5 g of 2-(4-methoxycyclohexenyl)-ethylamine hydrochloride (XIV) was prepared by adding the solution of 3 g of XI in 10 ml of ether drop by drop to 1 g of LiAlH4 in 10 ml of ether at -5°, 30 min. seasoning at -5°, 2 hour boiling, decomposition with 5 ml of water and 20 ml of 40%-ual NaOH, extraction of the ether

Card : 6/11

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3"

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogues.

G

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74167.

Semethoxyadipinic acid in the mixture toluenealcohol in the presence of H₂SO₄ at a simultaneous azeotropic removal of water leads to ethyl ester of Semethoxyadipinic acid, yield 80%, boil. p. 118 to 120 /2.5 mm; n D = 1.4336. By the reduction of EE of 4-oxyphenylacetic acid in alcohol on Raney's nickel in the presence of C₂H₂ONa under 125 atm and at 150 to 160%, EE of 4-oxycyclohexylacetic acid was obtained, yield 61%, boil. p. 115 to 116 /0.4 mm, which was saponified by 2 hour boiling with NaOH solution in aqueous alcohol to a mixture of stereoisomeric 4-oxycyclohexylacetic acids, yield 94%, melt. p. 110 to 120° (raw). 4-oxycyclohexylacetic acid was prepared

Card : 8/11

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogues!

G

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74167.

melt. p. 177° (from alc. + eth.). Hexahydrohordenine (XVIII) was produced by hydrogenating XVII on Pt from PtO2 in CH;COOH, yield 58%, boil. p. 132 to 134°/10 mm; 2-(cyclohexylethyl)-dimethyl-amine was separated as a by-product of hydrogenation, yield 19%, boil. p. 82 to 84°/10 mm; picrate, melt. p. 154° (not adjusted, from alc.). 3,4,5-trimethoxybenzoate of XVIII (XIX), semisold if impure, was synthetized of XVIII and 3,4,5-trimethoxybenzoylchloride by seasoning (about 12 hours) in C₆H₆; hydrochloride, melt. p. 214° (not adjusted, from alc. + eth.). V and X show a hypotensive activity same as their aromatic analogues described in the report I (see RZhKhim, 1958, 61101). The substance XIX is not active. The position of the

Card : 10/11

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3"

COUNTRY : Czechoslovakia G-2
CATEGORY :

ABS. JOUR. : RZKhim., do. 16 1959, Fo. 57137

AUTHOR : INST. : TITLE :

ORIG. PUB. :

ABSTRACT : hydrochloride of I. Antazoline, C, B, CH, N(C, H,)-

CH₂ C=NCH₂ CH₂ NH₃ (II) yields the following salts: A solution of 5.3 gms II in 30 ml abs alc and a solution of 1 gm H₂ SO₄ in 5 ml alc are mixed together to give the ethyl sulfate of II, ap 195° (corr; from alc); 2 gms H₂ SO₄ in 7 ml iso-C, H₇ OH are added with cooling to a solution of 5 gms II in 15 ml iso-CH₃ B₇ OH or a solution of 2.2 gms H₂ SO₄ in 5 ml C₄ H₇ OH is added dropwise to a cold solution of 5 gms II in 15 ml n-C₄ H₄ OH

CARD: 2/4

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3"

JILEK, J.

CZECHOSLOVAKIA/Organic Chemistry. Natural Products and Their Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81760.

Author : Adlerova E., Novak L., Protiva M., Jilek J., Protiva M.

Inst

Title : The Synthesis in the Group of Estrogenic Hormones. XIV.

2-Substituted Derivatives of 3-Methyl Cyclohexanone

Carbonic Acid . XV. The Reaction of Phenylacetylenes with Substituted Cyclohexanones. A New Complete Synthesis of

One of the Racemic Doisynolic Acids.

Orig Pub: Collect, czechosl. chem. commun., 1958, 23, No 4, 681-

691; 692-703.

Abstract: See R.Zh. Khim., 1958, 11219, 54013.

Card : 1/1

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3"

CZECHOSLOVAKIA/Organic Chemistry Synthetic Organic Chemistry. G-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81677.

Author : Mychajlyszyn V., Jilek J

Inst Title

: The Synthetic Anesthetic Compounds. II The Preparation

and Reactions of Some Hydrogenated Derivatives of 1-

Phenylisoquinoline.

Orig Pub: Collect czechosl. chem. commun., 1958, 23, No 5, 932-939.

Abstract: See R. Zh. Khim., 1958, 11331.

Card : 1/1

35

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3" JILEK, J.O.; PROTIVA, M.

Synthetic experiments in the group of estrogenic hormones. XIX. Wagner-Meerwein arrangement of 1-methyl-2-ethylcyclehexylcarbinal and its analogue in the octahydrophenanthrene series. Coll Cz Chem 25 no.1:165-179 Ja '60. (EEAI 9:12)

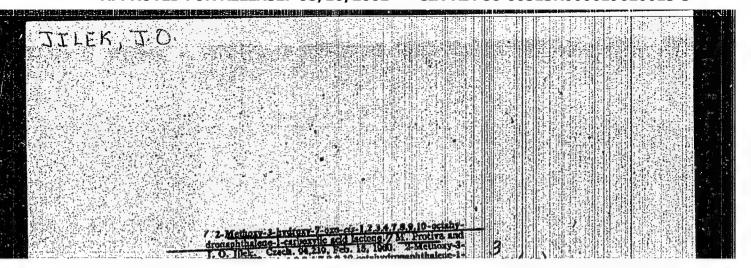
1. Forschungsinstitut fur Pharmazie und Biochemie, Prag.
(Estrogenic hormones)
(Rearrangements)
(Ethylmethylcyclohexanemethanol)
(Octahydrophenanthrene)

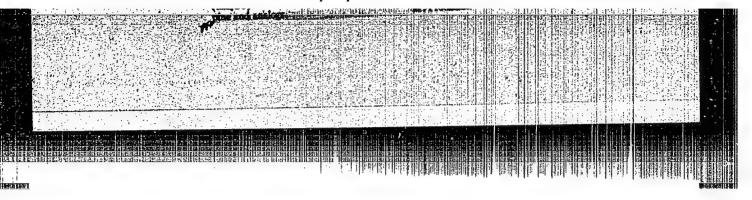
THO DESCRIPTION MESON ACIENTAL PROPERTY, IN MARKETHAN

ADLEROVA, E.; BLAHA, L.; BOREVICKA, M.; ERNEST, I.; JILEK, J.O.; KAKAC, B.; NOVAK, L.; RAJSNER, M.; PROTIVA, M.

. On the Grant of the Control of the

Synthetic experiments in the group of hypotensive alkaloids. VI. Some notes on the preparation of alicyclic components in the synthesis of compounds of the reserpine type. Goll Cz Chem 25 no.1: 221-236 Ja '60. (EEAI 9:12)





NOVAK, L.; JILEK, J. O.; KAKAC, B.; ERNEST, I.; PROTIVA, M.

Synthetic experiments in the group of hypotensive alkaloids. IX.A new method for splitting racemates in the total synthesis of reserpine. Coll Cz Chem 25 no.8:2196-2206 Ag '60. (EEAI 10:9)

1. Forsehungsinstitut fur Pharmazie und Biochemie, Prag.

(Alkaloids) (Hypotension) (Tartaric acid) (Reserpine)

JILEK, J. O.; ERNEST, I.; NOVAK, L.; RAJSNER, M.; PROTIVA, M.

Synthetic experiments in the group of hypotensive action alkaloids. XII. Contribution to the terminal phases of total synthesis of reserpine and descriptions. Coll Cz Chem 26 no.3:687-700 Mr ¹61. (EEAI 10:9)

1. Forschungsinstitut fur Pharmazie und Biochemie, Prag.

(Reserpine) (Deserpidine) (Alkaloids)

JILEK, J. O.; POMYKACEK, J.; PROTIVA, M.

Synthetic tests in the group of hypotensive active alkaloids. Part 15: Synthesis of racemic homoveratrylamine analogues of reservines and isoreservines. Coll Gz Chem 26 no.4:1145-1159 Ap 161.

1. Forschungsinstitut fur Pharmakie und Biochemie, Prag.

(Alkaloids) (Reserpine)

PROTIVA, M.; CAPEK, A.; JILEK, O.; KAKAC, B.; TADRA, M.

Synthetic experiments in the group of hypotensive active alkaloids. XVIII. Microbiologic reduction of lactons of the (+)-5-oxo-8.4-hydroxy-cis-1,4,5,8,9,10-hexahydro-1.6-naphthalic acid. Coll Cz chem 26 no.6:1537-1541 Je '61.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prag.

(Lactons) (Naphthalic acid)

JILEK, O. J.; KAKAG, B.; PROTIVA, M.

 $\varphi_{n} \geq$

Synthetic experiments in the group of hypotensive active alkaloids. Part 19: Reduction of (±)-5,8-dioxo-cis-1,4,8,9,10-haxabydro-1 β-naphtoicacidisopropylesters according to Meerwein. Coll Cz Chem 26 no.9:2229-2237 161.

teri

1. Forgeningsinstitut fur Pharmazie und Biochemie, Prag.

(Alkaloids) (Estors)

JILEK J.

CZECHOSLOVAKIA

PROTIVA, M; JILEK, J; POMYKACEK, J; JIRKOVSKY, J; VEJDELEK, Z.

Research Institute of Pharmacy and Biochemistry (Forschungsinstitut für Pharmazie und Biochemie), Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 10, 1963, pp 2627-2635

"Synthetic Analgetica V. Synthetic Experiments on a Base of 4-phenyl-4-Carbethoxypiperidine (Norpethidine)."

(5)

ERNEST, I.; JILEK, J.O.; VEJDELEK, Z.J.; PROTIVA, M.

Sythetic experiments in the group of active hypotensive alkaloids. Pt. 26. Coll Cz Chem 28 no.4:1022-1030 Ap 163.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prag.

PROTIVA, M.; JILEK, J.O.; POMYKACEK, J.; JIRKCVSKY, J.; VEJEELEK, Z.J. SEIDLOVA, V.

Synthetic analgesics. Pts. 5-6. Coll Cz Chem 28 no.10:2627-2636, 2821-2824 0 '63.

1. Forschung institut fur Pharmazie und Biochemie, Prag.

JILEK, J.O.; POMYKACEK, J.; METYSOVA, J.; METYS. J.; PROTIVA, M.

Neurotropic and psychotropic substances. Pt.3. Coll Cz Chem 30 no.2:463-471 F $^{1}65$.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prague. Submitted May 4, 1964.

JILEK, J.O.; FELZ, K.; PAVLICKOVA, D.; PROTIVA, M.

Neurotropic and psychotropic substances. Pt.4. Coll (% \cdot_{hem} 30 no.5:1676-1683 My $^{1}65.$

1. Forschungsinstitut fur Pharmazie und Biochemie, Prague. Submitted June 22, 1964.

JILEK, J.O.; POMYKACEK, J.; SVATEK, E.; SEIDLOVA, V.; RAJSNER, M.; FELZ, K.; HOCH, B.; PROTIVA, M.

Neurotropic and psychotropic substances. Pt.2. Coll Cz Chem 30 no.2:445-462 F '65.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prague. Submitted May 4, 1964.

JILEK, J.O.; RAJSNER, M.; POMYKACEK, J.; PROTIVA, M., inz. dr., DrSc., (Kourimska 17, Praha 3).

Synthetic ataraxics. Part 12. Cesk. farm. 14 no.6:294-303 Ag *65.

1. Vyzkumny ustav pro farmacii a biochemii, Praha. Submitted December 21, 1964.

JILEK, L.

MYSLIVECHK, J.; JILEK, L.

Development of oxygen requirement in certain tissues in rats. Chekh fiz 2 no.4:363-366 '53. (EMAL 3:7)

1. Kafedra fiziologii pri meditsinskom fakul'tete universiteta im. Karla IV, Fraga. (OXIGEN, metabolism, edevelop. of oxygen requirement in various tissues in rats, age factor)

CIA-RDP86-00513R000619620013-3 "APPROVED FOR RELEASE: 08/10/2001

JILEK, L.

CZECHOSLOVAKIA / Human and Animal Physiology. Metabolism.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21859.

Author

: Jilek L. : Univ. Carolina. Tnst

: Changes in 02 Requirements Following Operations Title

On the Central Nervous System in Rats-Decort-

ication.

Orig Pub: Med. 1956, 2, No 1, 47-59.

Abstract: Decortication of rats produced a definite low-

ering of 02 requirement in the animals on the

third day following the operation (from 21 ml//100 gm of wt. in 5 min. in the normal to 13.4 ml). Under these circumstances the liver

respiration diminished by 54.5%; the kidneys

by 53.8%.

Card 1/1

8

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3" CZECHOSLOVAKIA/Human and Animal Physiology (Normal and

T-5

Pathological). Blood Circulation. General Problems.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50769

Author : Myslivecek, J., Jilek, L., Sedlacek, J., Mourek, J.

Inst : Carolina Unversity of Prague

Title : Methods Using Permanent Vascular Cannulae.

Orig Pub : Univ. Carolina. Med., 1956, 2, No 1, 143-149.

Abstract : A recent modification of methods applying permanent can-

nulae for internal organs in animals is described. These canulae are made from silon, polyethylene, or polyvinylbutyrol, and are fastened to a silon net which is wrapped around vessels by sutures. Such cannulae (which are similar to the cannulae of Iondon) make it possible to obtain blood in repeated tests, to measure vessel temperature,

to record blood pressure, etc. -- N.N. Blokhin.

Card 1/1

get de les regers différencements de la lancion CZECHOSLOVAKIA Country : Human and Animal Physiology. Category T The Nervous System. Blood Supply. Abs. Jour. : Ref Zhur-Biol., No 23, 1958, 106810 : Jilek, Lubor Katedra fysiologie fakulty vseobecneho lekarstvi Karlovy university Author Institut. : The Reaction of the Organism to Cerebral Ische-Title mia in Ontogenesis. T. The Development of Resistability to Cerebral Ischemia in Rats. Sbor. Lekar., 1957, 59, No 6, 188-195 Orig Pub. : Very young rats (up to 16 days old) and adult rats endured well a ligation of both carotid Abstract arteries. Four to five weeks old rats succumbed rapidly after such operations. The development of changes in altitude hypoxia and in cerebral ischemia progressed in the same manner. An impairment of the CNS [central nervous system] resulting from disrupted blood circulation in the brain at early developmental stages, may cause the animal's death at later periods. For ***v Praze Pracovni skupina vyvolje nervovych funkci. L.J., Fysiologicky ustav. Albertov. Praha 2.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619620013-3"

The response of the organism to cerebral ischemia in the course of ontogenesis. IV. Response of the rat to temporary ischemia of the CNS. Sborn. lek. 60 no.7-8:235-241 July 58.

1. Fysiologicky ustav fakulty vsobecneho lekarstvi university Karlovy v Praze prednosta prof. Dr. F. Karasek.

(GENTRAL NERVOUS SISTEM, blood "upply ischemia, exper. eff. on newcorn & adults rats (Cs))

JILEK, Inbor

The response of the organism to cerebral ischemia in the course of ontogenesis. V. Contribution to the research on changes in cerebral metabolism after ligation of the carotid arteries during ontogenesis in rats. Sborn. lek. 60 no.7-8:242-248 July 58.

1. Fysiologicky ustav fakulty vseobecneho lekarstvi university Karlovy v Praze, prednosta prof. Dr. F. Karasek.

(ARTERIES, CAROTID, physiology

eff. of exper. ligation on cerebral metab. in newborn & adult rats (Cz))

(BRAIN, metabolism

eff. of exper. ligation of carotid arteries in newborn & adult rats (Cz)

FISCHER, J.; JILEK, L.

Regeneration of changes in the central nervous system induced by ligation of the carotid arteries in early stage of development in rats. Cesk. fy-siol 7 no.5:452-453 Sept 58.

1. II. patologicko-anatomicky ustav a Fysiologicky ustav fak. vseob. lek. UK, Praha.

(BRAIN, physiol.

<u>소속의 원인 1 시 시 시 Hadis</u>, Mandalfall e il E, 원le Mia M

regen. of changed induced by carotid ligation in young rats (Cz))

(ARTERIES, CAROTID, physiol. same)

Studies on the development of regulation of cerebral circulation. Gesk. fysiol. 7 no.5:487-488 Sept 58. 1. Fysiologicky ustav fak. vasob. lek. KU, Fraha. (BRAIN, blood supply. age factor in develop. of cerebral circ., eff. of body temperature (Cz)) (AGING, effects. on brain circ. regulation, body temperature factor (Cz)) (BODY TEMPERATURE, physiol. in regulation of cerebral circ., age factor (Cz))